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STATE OF MONTANA

BULLETIN

OF THE

Department of Public Health

Vol. 5

August 15, 1912

No. 5

MONTANA STATE BOARD OF HEALTH

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HELENA, MONTANA.

Published Monthly at Helena, by the State Board of Health.

"The science of disease prevention, if properly applied, can add fifteen years to the present average length of human life."—Prof. Irving Fisher, Yale.

This Bulletin will be mailed monthly to any person in Montana upon request mailed to the Secretary of the State Board of Health at Helena.



RESEARCH IN MEDICAL SCIENCE AS A DANGEROUS PURSUIT.

For ten years Medical Science has been studying the Rocky Mountain Spotted Fever problem. Comparatively few people have paid any attention whatever to this work. When our forests take fire, our state militia is called out to fight the fire because this fire is destroying property and the men that do the fighting are patted on the back and praised by the people. But disease does not destroy property, it only destroys lives. Therefore when men go in to fight diseases that destroy life and not property and these men lose their lives in such fights, they are not deemed worthy of even commendatory resolutions

In 1906 Dr. Howard T. Ricketts took up the study of Rocky Mountain spotted fever and his work today is recognized as one of the most scientific and most thorough pieces of work ever performed in original research. Dr. Ricketts sacrificed his life in this work, having become infected and died from the infection in May, 1910. In 1911 Drs. T. B. McClintic and W. C. Rucker of the United States Public Health and Marine Hospital Service took up the work of studying this disease. Dr. McClintic returned to the field in March, 1912. He had just about completed his summer's work, intending to return on the 12th of August. On August 7th, Dr. McClintic was taken sick and started to Washington, accompanied by Dr. K. H. Kellogg of Stevensville. On August 10th it was found that he was infected with Rocky Mountain spotted fever, the disease he had been studying. Fortunately reports received today, August 13th, indicate that Dr. McClintic will recover from this dread disease.

Nevertheless Dr. McClintic exposed his life in the study of this disease and, though he may prove one of the rare

exceptions who recover from infection with Rocky Mountain spotted fever, he is none the less entitled to the gratitude and commendation of the people who live in the infected district and those who live in the uninfected district, for his work is a work to protect the health and lives of men, women and children without regard to where they may live.

The only form of appreciation that has ever been expressed by the people of Montana for the work performed by Dr. H. T. Ricketts and the sacrifice made by him in the study of this disease is that expressed by the Montana State Medical Association in establishing what is known as the Howard T. Ricketts Memorial prize. Would this have been the case had Dr. Ricketts sacrificed his life in the study of a disease that was killing cattle? I think not, and yet we profess to have a high regard for human life. How high? Would not the little story of the Frenchman be applicable here? This Frenchman was in a railroad wreck. Two men had been very badly injured. The people were all standing around saying how sorry they were for the poor men. The Frenchman listened for a time, then he said to the bemoaning people: "How sorry are you? I am sorry ten dollar's worth." We say that we are sorry Dr. Ricketts lost his life. We say we are sorry that Dr. McClintic must suffer and go into the very jaws of death, but how sorry? Are we sorry ten dollar's worth? It does not seem so.

August 14th, 1912.

Since writing the above, word has been received from Washington, stating that Dr. McClintic died last evening, August 13th, at 6:00 p. m.

This is the month that we expect typhoid in Montana. Comparatively few cases have been reported to date. There is no reason for having typhoid fever. If your water supply is not from an unquestioned source, boil all drinking water. Always remember that flies carry disease germs and that the disease most commonly carried by flies is typhoid fever. Therefore see that all of your food is thoroughly protected against flies. If your house is not well screened, see that this is done immediately. If there is anything about your yard, such as decaying animal or vegetable matter, open garbage cans or manure piles, remove them and keep the place clean. If such a condition exists in your neighbor's yard, make a fuss about it and keep on making a fuss until it is cleaned up. Neighborhood action in this matter can do wonders.

Read the little story written by a school child about flies. Do you know as much about flies as this child does?

The following is the essay which was awarded second prize in the contest last December.

THE EVILS OF THE HOUSE FLY AND HOW THE FLY CAN BE ABOLISHED.

(By Robert Gatiss, Creston, Montana—Eighth Grade Pupil.)

The house fly is largely responsible for the spread of typhoid fever and other intestinal diseases. Young babies fed on bottled milk in the warm weather, where flies have access to the milk, suffer, and many die from diarrhea. The house fly carries the germs of these diseases on its feet. It will live and thrive on manure heaps, swill pails, and decaying material of any kind, then with its feet and body covered with uncountable bacteria will walk over your dining table, into the baby's milk or any kind of food leaving disease and death in its trail. The fly can be abolished by strict sanitary methods. All horse and cow manure must be removed promptly. Lime is splendid to sprinkle over manure till removed. All sewerage must be disposed of so often. Screens on doors and windows prevent many flies from entering the house and a strict covering of all foods when on and off the table, this with fly paper will keep the house practically speaking, clear of flies, also all swill pails and garbage cans should have tight lids. These precautions will keep your own premises clean, but villages, towns and cities must all unite in the maintenance of proper sanitary conditions, all filth being disposed of at once. If the house fly has nothing to eat, it must die.

HOTELS AND RESTAURANTS.
Great Falls.

Name.	Score.
H. A. Shepard	80
F. R. Van de Putte	89
L. Newman	81
Walter Bell	78
Mrs. S. B. Hamilton	73
Joseph Farrell	76
C. W. McKay	79
Wm. Lambros	77
J. B. Miller	74
Gust Bill	76
W. F. Vineyard	82
Rainbow Hotel	87
P. S. Tantas Co.	71
Green & McClintock	77
R. F. Doswald	82
Johanna Rae	79
Wm. Shilos	78
Chas. Paletto	82
Chas. Horning	81
Mrs. Kate Mier	82
Frank C. Murray	82
Mint Cafe	82
Wm. Grills	87

Livingston.

Hong Kong Low	87
Wong Lu Chu	86
Hang Hong Low	78
W. C. Perry	83
Ah Toy	77
Mrs. J. Kline	85
W. H. Donohue	96
Brown & Sohl	76

Missoula.

K. Sobue	79
Mrs. M. Cronberg	90
Yuet Lung Foo	85
O. A. Hargrove	81
H. I. Hangren	77
Phil Kenney	86
Oh Sing Co.	78
W. H. Hunt	91
Chas. Schrafe	83
Mueller, Halle & Rick	78
T. J. Walterskirchen	91
Peter Moret	90
Y. M. C. A.	91
Theros Rasmus	63
Bernard Olson	46

Whitehall

D. P. Lake	76
Schmidt & Maltby	77
L. Borden	80
Mrs. Henry Schmidt	90

Anaconda.

Mrs. G. E. Quan	79
Mrs. Sarah Rooney	71
Emma Delaney	75
W. H. Dunnigan	81
Geo. E. Voyer	84
Mrs. F. Butler	85
James McGruey	66
Quong Song	55
Ah Lie	68
Mary Mehelic	76
Mrs. M. O'Connor	82
Mrs. N. A. Wilson	70

Jefferson.

J. Ekerson	78
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Name.	Score.
Lee Dever	81

Alhambra.

D. O. Ames (Sunnyide) ..	75
M. J. Sullivan	70

Clancy.

L. Newman	75
J. B. West	58

Basin.

Kate Lyden	72
Lewis Jacques	72
M. E. Camp	73

Boulder.

A. V. Gibson	83
C. A. Burton	76
Mrs. M. Krohn	70
Chas. App & Co.	57
Mitchell & Aiken	80

Sidney.

Irene Allen	75
L. Cunningham	69
Quince Buell	81
G. E. Miller	82
Mrs. D. C. Shawley	86

Wibaux.

Chas. Welch	63
W. Y. Louie Co.	77
Mrs. Ella Mann	73
H. Eggart	81

Terry.

Mrs. J. McMillan	69
J. H. Rockwood	65
A. J. Woodrice	58

Roundup.

Margaret Schmitz	75
Geo. Loukas	40
E. L. Cook	68
Habit Kaha	53
Grand Hotel	62
G. M. Herr	56
Thos. Pappas	82
J. H. D. Danils	72
Johnson Cafe	76

Melstone.

C. F. Grant	79
J. H. Murphy	84

Lavina.

E. W. Rexford	76
H. Grant	76
Bristol & Banks	72

Ryegate.

W. J. Edson	76
P. S. Olson	70
L. E. Hix	63
Wilbur & Botts	77
T. F. Handy	77
J. H. Murphy	64

Two Dot.

E. Brown	78
K. Bennett	77

Name.	Moore.	Score.
J. D. Kipe	87	
T. W. Flannigan	82	
Skyles & Moore	61	
Fred Catlin	82	

White Sulphur Springs.		
Thompson & Jackson	75	
Fred Hughes	71	
E. L. Fletcher	63	
Toy Cohn	71	
R. J. Gordon	70	

Lewistown.		
Haupt & Taff	68	
Louie Yore	76	
C. B. Willard	77	
Hendrickson & Wenule	84	
C. M. Britt	76	
Frank Counts	61	
Christie & Lohman	65	
G. F. Kirk	76	
J. A. Alexander	80	
Mrs. J. M. Rose	81	

Judith Gap.		
A. W. Sarver	69	
C. Seng	66	
H. M. Hansen	61	

CONFECTIONERY AND BAKE SHOPS.

Name.	Livingston.	Score.
E. E. Van Zant	82	
Wm. Busche	98	

Missoula.		
A. F. Leidtke	77	
John Basini	83	
Alex. Benson	75	
J. W. Chambers	86	
G. L. Herrick	84	
Alfred Jones	90	
O. M. Elton	99	
P. Georgeopolous	85	

Great Falls.		
Nora Merkley	76	
Wm. Springer	89	
Ziegel & Schubert	84	
A. H. Stephens	81	
A. L. Melvin	79	
M. A. Carrier	82	
Joseph Bauer	84	
The Bon Ton	80	
Arthur Dugdale	84	

Anaconda.		
A. Timm	75	
Philip Daniels	83	
J. E. Gnose	73	
J. A. Schroeder	65	

Whitehall.		
J. W. Miksell	81	

Basin.		
Geo. A. Beck	75	

Boulder.		
A. H. Carrier	73	

Name.	Terry.	Score.
W. R. Northup	74	

Sidney.		
L. Cunningham	69	

Wibaux.		
Frank Reychler	62	

Roundup.		
H. Miner Lewis Co.	47	
Roundup Bakery	72	

Harlowton.		
F. G. Bradley	82	

Moore.		
W. F. Roseler	91	

Lewistown.		
F. Sullivan	73	
Palais Royal Candy Co. ..	58	

MEAT MARKETS AND SLAUGHTER HOUSES.

Name.	Missoula.	Score.
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John R. Daily Co.—		
John R. Daily Co.—Meat		
Mkt.	90	
Koopman & Wissbod—Meat		
Mkt.	88	
W. H. Hebard—Meat Mkt.	90	
Fritz Koopman—Sl. House.	78	

Great Falls.		
Auerbach & Johnson—Meat		
Mkt.	83	
R. B. Noble—Meat Mkt. ..	78	
A. F. Sparling—Meat Mkt.	86	
W. M. Davis—Meat Mkt. ..	88	
G. W. Dunlap—Meat Mkt.	83	
Montana Grocery and Meat		
Co.—Meat Mkt.	88	
O. C. Roth—Meat Mkt.	88	
H. S. Neuman—Meat Mkt.	78	
Joe M. Mullins—Meat Mkt.	78	
Great Falls Meat Co.—Meat		
Great Mkt.	93	
Chicago Meat Co.—Meat		
Mkt.	83	

Livingston.		
Retallick & Hamilton—Meat		
Mkt.	93	
Tendeland & Fuhrman—		
Meat Mkt.	93	
Wm. Hurza—Meat Mkt. ..	93	
Adolph Iten—Meat Mkt. ..	83	

Anaconda.		
W. M. Montgomery—Meat		
Mkt.	78	
C. C. Com. Co.—Meat Mkt	80	
James Miller—Meat Mkt. ..	80	
Otto Krietzner—Meat Mkt. ..	78	
E. B. Heagg—Meat Mkt.	78	
Bohonnier Meat Co.—Meat		
Mkt.	67	
M. J. Balkovatz—Meat Mkt.	88	
Falk Bros.—Meat Mkt.	85	
W. M. Montgomery Co.—		
S. Hse.	70	
Metropolitan Meat Co.—Sl.		
Hse.	73	
J. M. Miller—Sl. Hse.	75	
E. M. Lyons—Meat Mkt. ..	63	

Clancy.	
Name.	Score.
Wannamaker & DeBorde—Meat Mkt.	73
Wannamaker & DeBorde—Sl. Hse.	36

Basin.	
Joseph Brien—Meat Mkt. ..	73
Rule Meat & Butchering Co.	63
Rule M. & B. Co.—Sl. Hse.	71

Boulder.	
Ed. DeCells—Meat Mkt. ..	63
Ed. DeCells—Sl. Hse.	38

Two Dot.	
F. E. Robertson—Meat Mkt.	78
F. E. Robertson—Sl. Hse...	72

Harlowton.	
Jos. LaBrie—Meat Mkt.	90
A. C. Graves—Sl. Hse.	33
A. C. Graves—Meat Mkt...	93

Lavina.	
J. C. Jensen—Meat Mkt. ..	77
E. W. Rexford—Meat Mkt.	78

Ryegate.	
Geo. Rorabeck—Meat Mkt.	73

Roundup.	
N. Moran—Meat Mkt.	85
Bull Mountain Trad. Co.—Meat Mkt.	80
J. H. Green—Meat Mkt. ..	47
J. H. Green—Sl. Hse.	65
Bull Mountain Trad Co.—Meat Mkt.	72
Krueger & Tulgesthe—Meat Mkt.	77
N. R. McDonald—Meat Mkt.	77

Melstone.	
W. J. Herron—Meat Mkt.	65

Terry.	
E. J. Neff—Meat Mkt.	72
E. J. Neff—Sl. Hse.	50

Wibaux.	
Wibaux Prov. Co.—Sl. Hst.	65
Wibaux Meat Co.—Meat Mkt.	88

Sidney.	
S. J. Leach—Sl. Hse.	50
Hanson & Larson—Sl. Hse.	40
Hanson & Larson—Meat Mkt.	70
S. J. Leach—Meat Mkt. ..	68

Glendive.	
Chas. Schmidt—Sl. Hse. ..	38
Harpster Bros—Sl. Hse. ...	73

Moore.	
Abel & Quackenbush—Sl. Hse.	86
Abel & Quackenbush—Meat Mkt.	93

White Sulphur Springs.	
Chamberlain & Chapin—Meat Mkt.	82
Chamberlain & Chapin—Sl. Hse.	91

Judith Gap.	
Name.	Score.
Soden & Weygert—Meat Mkt.	55
Soden & Weygert—Sl. Hse.	40
Joseph Dugart—Meat Mkt.	57
Slater Bros.—Meat Mkt. ..	72
Abel Bros.—Meat Mkt.	72

DAIRIES.

Great Falls.	
Name.	Score.
Frank Hoyer	97
E. W. Peck	95
Jessie Young	92
Gus Anderson	98
G. Venetz	98
D. Mitchell	88
M. Venetz	90
Rice English	92
M. Rystad	98

Missoula.	
A. A. Cameron	88
F. R. Trafford	94
J. B. Wiltz	82
Mrs. S. S. Fuller	100
H. R. Minard	100
Mrs. S. Hoffman	96
Chas. I. Zebower	90
Chas. Rendon	95
H. A. West	89
Z. O. Marceau	92
Mrs. Robert Johnson	96
Jessie Dickerman	100
J. C. DeJarnett	100
Z. H. Golder	100
Mrs. A. W. Caine	88
H. J. Hamilton	109
J. M. Shields	86
P. J. Whitaker	100

Livingston.	
H. M. Somerlad	91
O. H. Bonnell	89
A. Laurens & Son	97
W. C. McLeod	92
R. W. Sheffield	90
H. R. Kinne	97
Joe Meredith	95
Davis Bros.	95

Whitehall.	
Mrs. Henry Schmidt	79
Joe H. Hoey	70

Boulder.	
D. S. Merrill	62

Basin.	
Mrs. Kate Lyden	78
James Thompson	82

Harlowton.	
H. C. Klock	88
J. V. Kelly	75

Two Dot.	
S. Todd	68
H. K. Campbell	81

Elso.	
Hersey & Porter	93

Name.	Anaconda.	Score.
George Daly		92
J. S. Crimmons		88
Alexander Young		87
T. F. Sullivan		88
Mary Zagarts		92
Barney McGinn		76
H. A. Denny		75
W. J. Beninger		79
J. E. Boyson		88
Boone & Manlove		97
L. R. Blaine		93
John Verlanic		91
C. S. Sunderland		80
John Furst		67
Willow Glen Stock Farm		96
Peter Lazetich		82
W. M. McMonigle		82
Valentine Galle		86
Sam Drazich		83
John Karzavin		82
Jerry Ryan		87
Mike Pramenko		82
Dernis Callan		71
Mitchell & Mussigbrod		90
P. T. Sweeney		76
A. McDonald		85
J. Frankovich		87
Tom Budnich		84
Mrs. Mary Hunt		84
John Fink		85
Joe B. Lynn		82
Lawrence Keegan		82
Michael Smith		89
J. McKinney		92
Lizzie Mooney		76
Thomas Judge		78
L. P. Lavallee		83
J. A. McDonald		90
L. A. Thompson		82

Glendive.

J. N. Rock	80
E. J. Berry	83
A. Carpenter	80
Mrs. E. O. Holmes	67

Name.	Sidney.	Score.
John M. Ahlquist		72
E. R. Ray		72
L. Dawe		65
E. E. Jordan		56

Terry.

H. W. Gibson	77
T. Wright	66
Mrs. R. Flint	62
G. L. Gibson	74
A. O. Hewitt	69
Mrs. E. J. Neff	70

White Sulphur Springs.

C. C. George	87
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Lewistown.

Burke & Hoffstetter	90
H. A. Speith	92
A. B. Powell	89

Moore.

J. M. Hurd	89
Minnie Owen	76
John Sexton	88
Chas. Crowley	76
L. M. Estes	82
T. W. Terry	77
Mrs. Mary Clarke	84

Lavina.

E. W. Rexford	76
H. Grant	56

Melstone.

W. J. Flishman	83
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Roundup.

Mrs. M. Schmitz	89
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COMMUNICABLE DISEASES REPORTED FOR THE MONTH OF JULY, 1912.

SMALLPOX—Cases of Smallpox were reported as follows: Beaverhead, 1; Dawson, 1; Meagher, 1; total, 3; total last month, 5; total July, 1911, 17.

DIPHTHERIA—Cases of Diphtheria were reported as follows: Blaine, 5; Cascade, 2; Dawson, 1; Gallatin, 1; Jefferson, 1; Silver Bow (Excl. of Butte), 1; Butte, 2; Sweet Grass, 1; Yellowstone, 2; total, 16; total last month, 12; total July, 1911, 12.

SCARLET FEVER—Cases of Scarlet Fever were reported as follows: Blaine, 2; Broadwater, 1; Carbon, 1; Cascade (Excl. of Great Falls), 1; Custer, 1; Dawson, 1; Bozeman, 1; Hill, 1; Missoula City, 1; Silver Bow (Excl. of Butte), 6; Butte, 2; Yellowstone, 1; Billings, 1; total, 20; total last month, 27; total July, 1911, 27.

TYPHOID FEVER—Cases of Typhoid Fever were reported as follows: Great Falls, 1; Custer, 1; Dawson, 1; Fergus, 3; Gallatin, 1; Lewis and Clark (Excl. of Helena), 1; Helena, 6; Lincoln, 1; Meagher, 1; Billings, 2; total, 18; total last month, 15; total July, 1911, 22.

MEASLES—Cases of Measles were reported as follows: Carbon, 5; Fergus, 1; Flathead, 2; Park, 1; Rosebud, 1; Butte, 1; total, 11; total last month, 41; total July, 1911, 106.

DEATHS (EXCLUSIVE OF STILLBIRTHS) REPORTED TO THE STATE
BOARD OF HEALTH FOR THE MONTH OF JULY, 1912,
ARRANGED ACCORDING TO COUNTIES AND CITIES.

Totals	All Other Causes	Alcoholism	Suicide	Violence	Acute Intestinal Diseases	Malignant Tumors	Organic Heart Disease	Nephritis	Pneumonia	Whooping Cough	Typhoid Fever	Measles	Scarlet Fever	Diphtheria	Tuberculosis	Small Pox	Spotted Fever
Beaverhead	3	1		2										1			
Broadwater	4			1				1									
Carbon	6	5				1											
Cascade (Excl. of)	7	1		4													
Great Falls	13	5	2	1	1	2		1	1								
Chouteau	3			1				1									
Custer	6	2		2				1	1								
Dawson	1	3		3													
Deer Lodge (Excl. of)	6			1													
Anaconda	9	4				1											
Fergus	3	3	1	1		1		1						1			
Flathead (Excl. of)	13	2	1	4		2		1	1					1			
Kalispell	2	2															
Gallatin (Excl. of)	9	3		3		1	1										
Bozeman	2	1				1											
Granite	1																
Jefferson	2	3								1							
Lewis and Clark (Excl. of)	4					1		1									
Helena	17	7	1	3	1	1		1		1				2			
Lincoln	3			1				1									
Madison	5	1				2											
Meagher	8	1				1		1						1			
Missoula (Excl. of)	1								1					1			
Missoula City	14	5	1	4		2				1	1						
Musselshell	3			1		1				1							
Park (Excl. of)	4		1	1							1						
Livingston	2	2															
Powell	5	3	1			1											
Ravalli	1					1											
Rosebud	2			2													
Sanders	3			1				1									
Silver Bow (Excl. of)	20	3	1	3		3	2	3				1		8			
Butte	44	2	2	9	2	1	2	2	4					6			
Sweet Grass	1				2	2											
Teton	2																
Valley	2			2													
Yellowstone (Excl. of)	5	2		3		1		1									
Billings	2			1		1											
Blaine	2									1				1			
Hill	4		3								1						
TOTALS	254	82	9	55	11	20	15	14	2	4	1		1	22			
Estimated population	393,000																
Monthly death rate per 1,000 population	646																
Annual death rate per 1,000 population	7.75																

**BIRTHS REPORTED TO THE STATE BOARD OF HEALTH FOR THE
MONTH OF JULY, 1912, AND COMPARATIVE BIRTH AND
DEATH RECORD IN THE STATE.**

	Males	Females	Totals	Deaths	Excess of births	Excess of deaths
Beaverhead	2	2	10	8	5	..
Broadwater	6	3	9	4	5	..
Carbon	13	21	34	6	28	..
Cascade (Excl. of)	6	6	12	7	5	..
Great Falls	16	21	37	13	24	..
Chouteau	3	1	4	3	1	..
Custer	8	9	17	6	11	..
Dawson	10	14	24	6	18	..
Deer Lodge (Excl. of) .....	...	...	...	1	...	1
Aanconda	7	7	14	4	10	..
Fergus	17	12	29	9	20	..
Flathead (Excl. of)	7	10	17	13	4	..
Kalispell	8	8	16	2	14	..
Gallatin (Excl. of)	8	10	18	9	9	..
Bozeman	2	13	15	2	13	..
Granite	1	1	2	1	1	..
Jefferson	2	4	6	3	3	..
Lewis and Clark (Excl. of)	7	4	11	4	7	..
Helena	15	14	29	17	12	..
Lincoln	4	4	8	3	5	..
Madison	4	5	9	5	4	..
Meagher	8	7	15	8	7	..
Missoula (Excl. of)	17	10	27	2	25	..
Missoula City	10	9	19	14	5	..
Musselshell	11	8	19	3	16	..
Park (Excl. of)	3	3	6	4	2	..
Livingston	5	10	15	2	13	..
Powell	3	4	7	5	2	..
Ravalli	10	7	17	1	16	..
Rosebud	4	4	8	2	6	..
Sanders	1	...	1	3	...	2
Silver Bow (Excl. of)	13	5	18	20	...	2
Butte	38	27	65	44	21	..
Sweet Grass	6	2	8	1	7	..
Teton	7	2	10	2	8	..
Valley	13	17	30	4	26	..
Yellowstone (Excl. of)	12	6	18	5	13	..
Billings	9	14	23	2	21	..
Blaine .....	...	3	3	2	1	..
Hill	9	8	17	4	13	..
TOTALS	331	316	647	254	393	..

